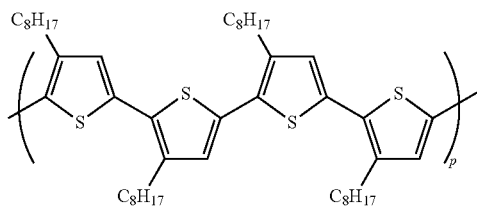
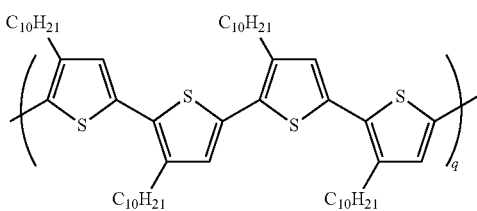


Formula 5

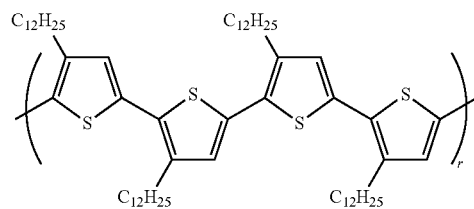


Formula 6



-continued

Formula 7



wherein p, q, and r are each independently an integer from 1 to 10,000.

37. A dispersion comprising semiconducting carbon nanotubes, wherein an amount of the semiconducting carbon nanotubes is 75 wt % or greater of the total amount of carbon nanotubes.

38. The dispersion of claim **37**, wherein an amount of the semiconducting carbon nanotubes is 99 wt % or greater of the total amount of carbon nanotubes.

39. The dispersion of claim **37**, wherein an amount of the semiconducting carbon nanotubes is 99.5 wt % or greater of the total amount of carbon nanotubes.

40. The dispersion of claim **37**, wherein an amount of the semiconducting carbon nanotubes is 99.9 wt % or greater of the total amount of carbon nanotubes.

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